7" Intelligent Digital Video Doorphone Indoor Unit

TIP-DPH-INT7

USER MANUAL

Product Overview

With the advance of technology and society, our daily life is stepping into the network era. The digital trend has swept through every industry as a result of which the traditional building intercom products are developing in a more digital, network-based, information-based and intelligent way.

It is no longer a pure system for confirming the identity of visitor, but also a intelligent home platform which provides intercom, home security, appliance control, information access and multi-media entertainment all in one.

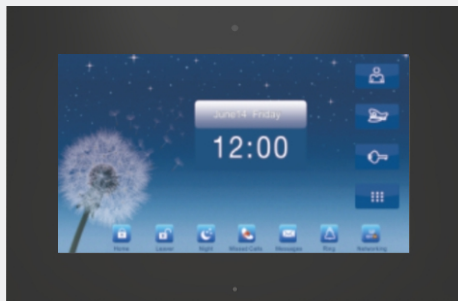# Product Description

2.1 Product Appearance

Figure 1

2.2 Icon Introduction

Status Icon	Name	Implication
	Night Mode	Indicate the working status of various alarm detectors during nighttime.
	Home Mode	Indicate the working status of various alarm detectors during daytime at home.
	Leave Mode	Indicate the working status of various alarm detectors when no one is at home.
	Message	Indicate unread messages.
	Missed Calls	Indicate missed calls.
	Network connected	Indicate the network connection is normal.
	Network disconnected	Indicate the device is not connected with the outdoor unit.
	Melody status	Indicate the melody ring tone is on.
	Monitor	Click to enter monitor interface.
	Call Management Unit	Click to call Center Unit directly.
	Call	Click to enter Call interface.
	Menu	Click to enter Function Setting interface.

Basic Function

3.1 Digital Video Intercom Function
It is able to receive calls from outdoor unit, fence outdoor unit, management unit or other networking terminal unit. Besides it can call and activate two way video intercoms with all networking terminal unit and management unit.

3.2 Remote Unlocking Function
Users are able to release the electric lock of the outdoor unit and fence unit by pressing UNLOCK button.

3.3 Monitoring Function
Users can monitor outdoor environment through the outdoor unit or fence unit.

3.4 Owner Message
Before leaving home, users can leave messages to their families on the terminal devices and receive visitors' messages on the outdoor unit as well.

3.5 Call Records
It is able to auto record the information and time of missed calls, received calls, dialed calls for reference.
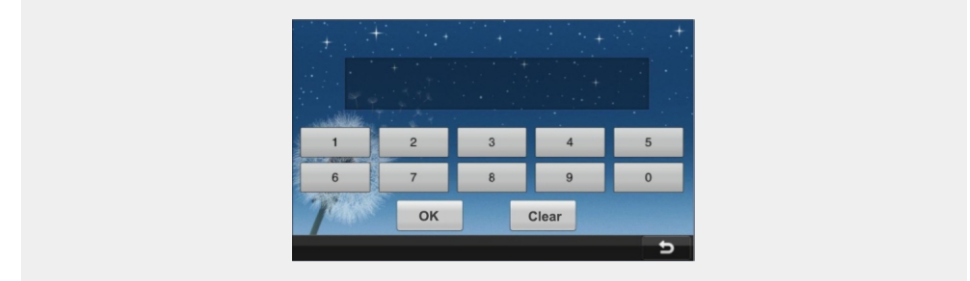
3.6 Info Check Function
It is able to check the messages sent by management unit.

3.7 Security Alarm Function
It can check whether the detectors in alarm zones are functioning normally by Status Check function.

UI Interface Introduction and Operation Instruction

At first boot, the interface for inputting D code will appear:

When there is no management center, according to the network topological graph (in simple presentation, just simply connect stair unit to indoor unit directly with a network cable), conduct address setting on indoor unit after wiring. In D code input interface, press to enter operation menu. Press "System setting" and then "Project setting" to set IP address and room number. Please refer to **IP address and room number setting** of **Project setting**.

When a management center exists, the equipment can directly obtain the address information and IP information already set from the management center by entering D code. Simple structure is shown below:

Firstly, add equipments on the server installed with Intelligent Building Management Center Software. (For details please refer to "Intelligent Building Management Center Software Instruction"). Then set up the equipment address, IP information, export D code of the equipment, and then enter D code into corresponding equipment. Prompts will appear to indicate address information is successfully obtained. After that, the equipment will automatically reboot, directly enter Main Menu and no longer display interface of inputting D code.
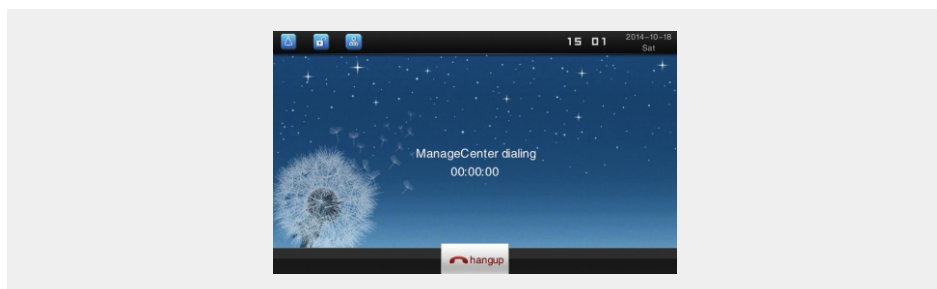
4.1 Intercom

4.1.1 Intercom interface

In Main Menu interface, press " " icon to enter intercom menu page.

4.1.2 Call Management Center

In "Intercom" interface or Main interface, press "Management center" icon to directly call management center and then enter call waiting interface. When the call fails, call failure prompt box will pop up. Press "OK" on the prompt box to return to the "Intercom" interface, or it will automatically return to "Intercom" interface after 5 seconds.

If management center answers the call, the following interface, with "calling" and talking time in the middle, will pop up.

• **"Hang up" button**

Press this icon to end conversation and return to "Intercom" interface.

4.1.3 Call Other Residents

In "Intercom" interface, press "Other residents" icon to bring out dialing interface.
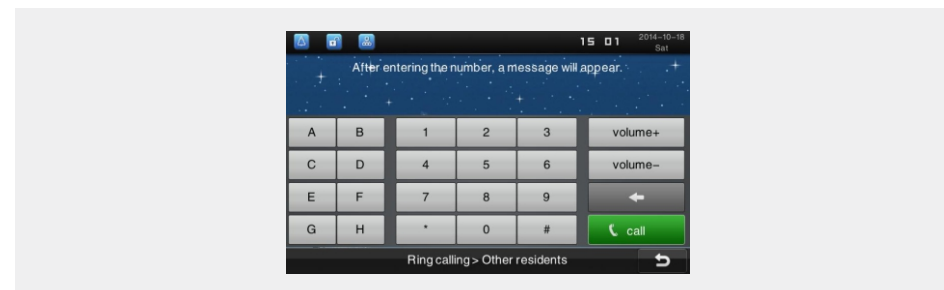
Input room number on numeric keypad (if you call the user in the same unit, please enter four digit room number; otherwise, please enter two digit building number plus two digit unit number plus four digit room number). If the number entered is wrong, you can press backspace key to modify. For example, to call Room 105, please enter "0105" on numeric keypad and then you can press call icon to dial. When the call is answered, the status column on the left of the screen will show the talking status and talking time. The "Call" button at the bottom of the screen will change to "Hang up" icon. You can press this button to end conversation and return to Call interface.

4.1.4 Call Record

In the call record menu, click "Call record" icon to enter call record interface. Here you can check the records of "missed call", "dialed call" and "received call".
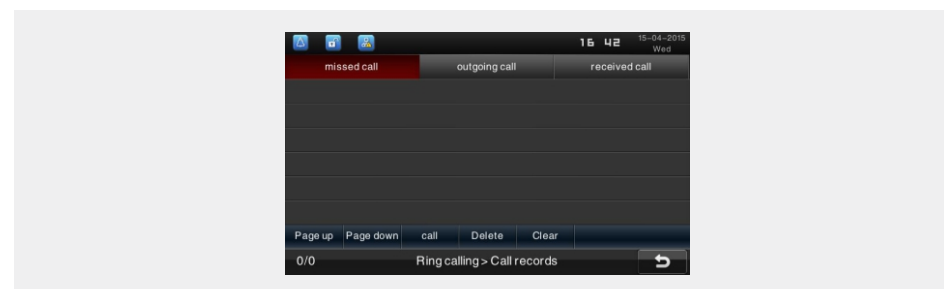
4.1.5 Receive Video Call

When there is a call from outdoor unit or fence unit, the indoor unit will ring and display the interface shown below. The background of the interface is the scene captured the camera of outdoor unit or fence unit. The indoor unit can release the door lock directly while it can also answer the call and start video intercom and then unlock the door.
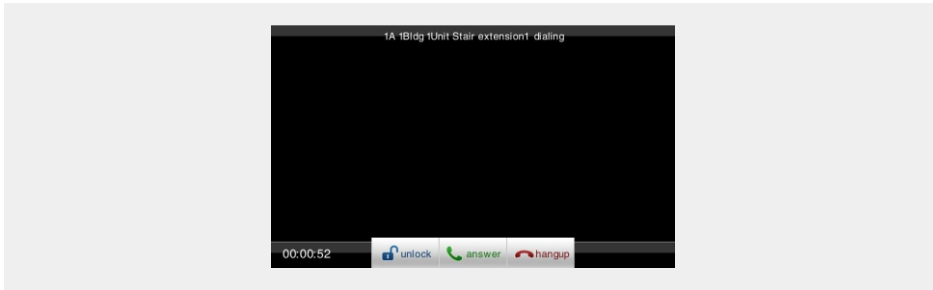
· Volume control

Click the Volume setting menu on the right of the interface to adjust the volume.

· Talk button

Click "Talk" button in the interface and it will skip to Talking interface during intercom. At the same time the ringtone will stop and speaker will deliver sound of outdoor unit or fence unit.

· Hang up button

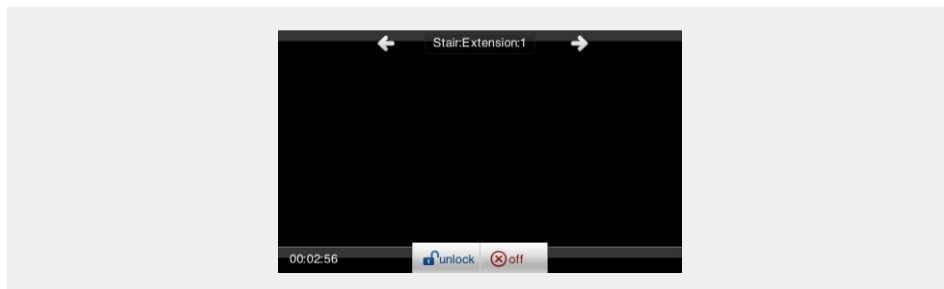Click "Hang up" button to return to intercom interface.

· Unlock button

Click "Unlock" button to directly release the door lock of corresponding door.

4.2 Monitor

4.2.1 Monitor Stair

Click "Monitor Stair" icon in Monitoring interface. You will be able to monitor various sites installed with outdoor units and fence units. Also you can switch over between different surveillance units.

· "Hang up" button

Click "Hang up" button to end monitoring and return to Intercom interface.

· "Switch" button

Press the "Switch" button on the top of interface, the monitor sound and scenes will switch to those of next outdoor unit or fence unit. The switch will circulate according to quantity of the actual installed outdoor units and fence units.

4.2.2 Monitor Indoor

Before you monitor through the indoor unit, please follow the steps "System Setting" ->"Monitoring Requirement" -> "Indoor Monitoring" to set up the monitor device. Click Indoor Monitor to check the deployed cameras.

4.2.3 Monitor Neighborhood

Network cameras must be installed in neighborhood to achieve this function.

4.3 Alarm System

In the main menu interface, press "Alarm system" to enter alarm interface.

Before using alarm system, please enter "System setting" -> "Project setting" -> "Area define" to define the security areas to be set.

4.3.1 In Home Model

Press "In home model" icon in alarm system interface to bring out a prompt of "arm delay time countdown". A prompt interface will appear after arming successfully. Press "Ok" or wait for 5sec to return to alarm system interface.

4.3.2 Evening Model

The operation is the same as that of In Home Model.

4.3.3 Leaving Model

The operation is the same as that of In Home Model.

4.3.4 Disarm

In alarm system interface, press "off" icon to bring out disarm model interface which requires you to input disarm password. Using the numeric keypad on the screen to enter the password set disarm (default disarm password is "0000", default hijack code is "0001"), and press "Ok" icon at the bottom of the interface to disarm the system.

4.3.5 Disarm Password

Press "Off code" in alarm system interface to access disarm password inputting interface, and then enter disarm password to enter the password setting interface. In the interface, you can set the master password and hijack code (hijack code is master password +1). Enter the old password (default old password is "0000") into "Old pwd" bar on numeric keypad, and then enter the new password you want to set into "New pwd" bar. Re-enter the new password into "Sure pwd" bar and press "Ok" icon at the bottom of the interface. If the interface prompts that the password has been saved, it means the new password is set successfully.

4.3.6 Alarm Record

In alarm system interface, press "Alarm record" icon to enter "View alarm record" interface and then you can view and sort out alarm records.

4.3.7 Model Setting

In alarm system, press "Model setting" icon to enter model setting interface.
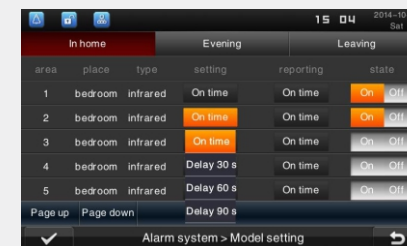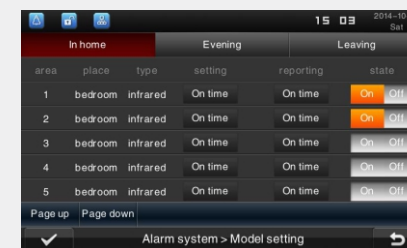
In model setting interface, three optional models including "In home model", "Evening model", "Leaving model" will be shown at the top of the interface. Press the model you want to set. "Setting" option represents arm delay time and "Reporting" means alarm delay time. Click "on or off" button to turn on/off the area. When the setting is done, press icon at the bottom of the interface to complete the setup.

4.3.8 Alarm Area State

In alarm system interface, click "Alarm state" icon to enter alarm area status interface. Here you can check the status of all alarm areas.

4.4 Information and Message

In the Main menu interface, press "Information" icon to enter Information interface. There are two types of data: information and message.
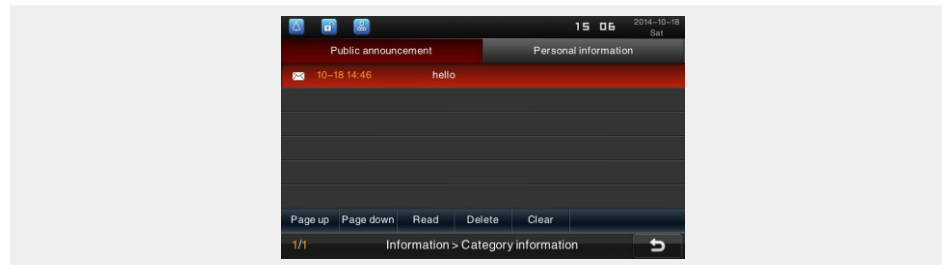

4.4.1 Total Information
Press "Total information" icon in Information interface to check all the information and message.
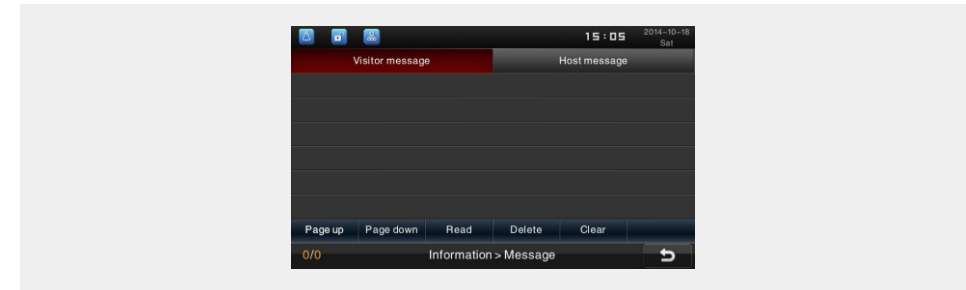
4.4.2 Information
Press "Information" icon in Information interface to check public announcement received and personal information.

You can choose to display public announcement or personal information through the top bar. Press an information entry, and it will be highlighted to indicate that the message is selected. Information entry includes "message title, message preview, date and status". Press "Read" icon to browse the selected information.

4.4.3 Message
Press "Message" icon in information interface to enter message list interface.

Press "Visitor message" to check the message from visitor and press "Host message" to check the message from the user. The way of sorting out message is the same as that of sorting out information.

4.4.3.1 Check Message
In message list interface, select the entry you want to view, press "Read" icon to enter messages playing interface and the message will be played. Press "Pause" button to pause during the playing, and then press "Play" button to continue; press "Stop" button to stop playing, and then press "Play" button to play from the beginning. Press "Return" icon at the bottom of the interface to return to the message list interface.

4.4.3.2 Leave a Host Message
Press "Add" icon at the bottom of message list interface to enter the following interface.
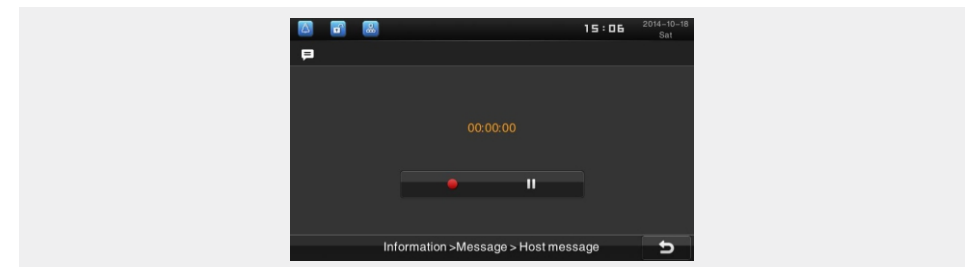
Press icon, it will start recording after the beep tone. During recording, you can press icon to pause the recording, and at the same time, the icon changes into Press icon to continue recording. Press icon to finish the recording and enter audition interface.
You can click PLAY button to play the recorded message. You could click DELETE button to delete the message. There will be an indication if the message is recorded successfully.

4.5 Multi-media

If you want to develop this function, to begin with you need to insert a TF card into the TF card slot. Then create three files in TF including "Digital Photos", "Music" and "Video" in which photos, music and videos will be saved respectively.


4.5.1 Digital Photo

In multimedia menu, press "Digital photo" icon to enter digital photo displaying interface. Operation menu is at the bottom of the interface. When there is no operation, the operation menu will automatically hide itself after 5 seconds. Click the screen to bring out the menu.
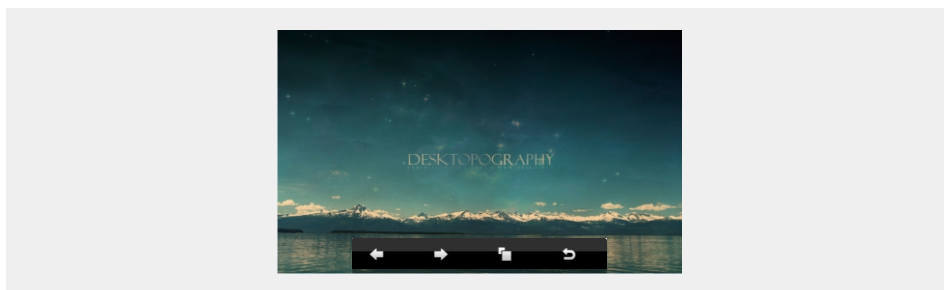
a. Press "Auto Play" 🔳 icon, the system will automatically display all the pictures one by one. Meanwhile, the icon 🔳 changes into 🔳 icon. Press 🔳 icon to stop continuously displaying.

b. Press ◀ to display previous photo, press ▶ to display next photo.

c. Tap the "Return" icon ↩ to return to multimedia menu interface.

4.5.2 Music Playing
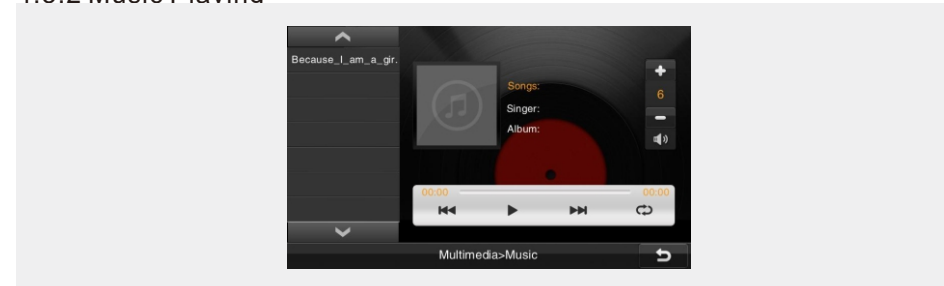
a. Select "Music" icon in the menu. Press ▶ icon to play music.

b. Press ◀◀ to play previous song, and press ▶▶ to play next song.

c. Click ⟳ to put a song on a loop and the icon will become ⟳ at the same time. Click again to exit loop mode and songs will be played in turn.

d. Click ➕ and ➖ icon to turn up or down the volume with numbers shown in the middle to indicate the volume level.
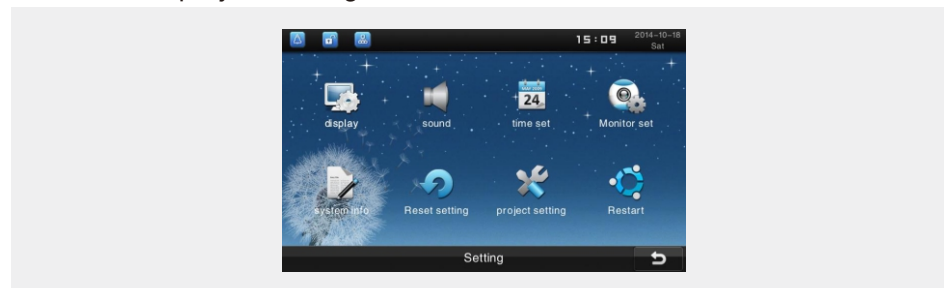
4.5.3 Video Playing

The operation of playing video is the same as that of playing music.
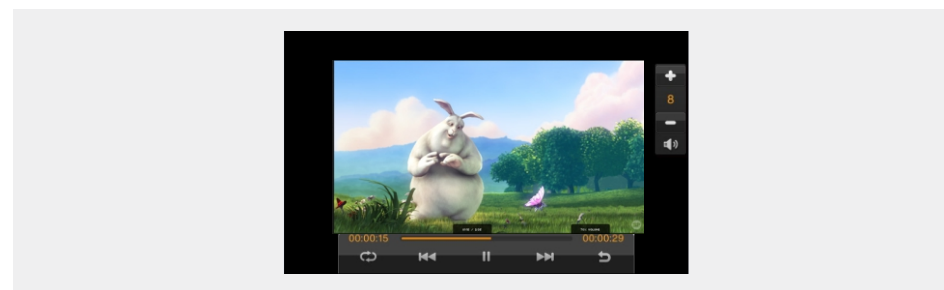
4.6 System Setting

In the main menu interface, press "System setting" icon to enter system setting interface. System setting consists of display, sound, time, system information, project setting, etc.

4.6.1 Display Setting

In system setting interface, press "Display" icon to enter display setting interface.
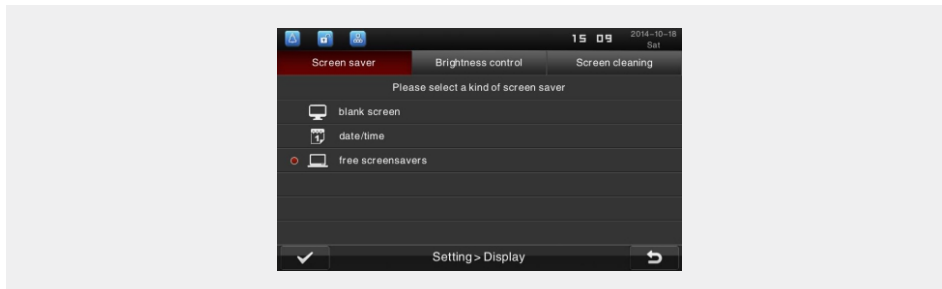
4.6.1.1 Screen Saver

In "Screen saver" interface, there are 3 options including "blank screen", "date/time" and "free screensavers". You can set screen saver wait time at the bottom of the interface. When the equipment enters screen saver, tap the screen or button to exit screen saver and return to the main interface.
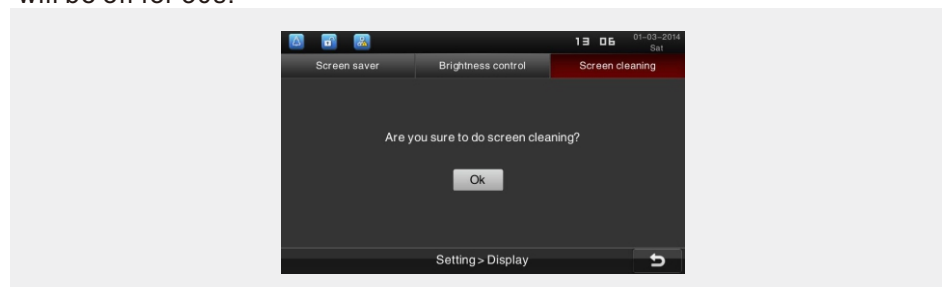
4.6.1.2 Brightness Control

Press "Brightness control" icon to enter brightness control interface, and then you can adjust the brightness of the screen with the buttons "+" and "-".
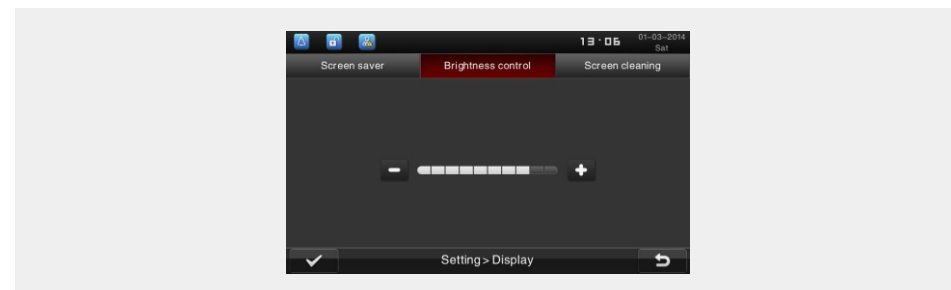
4.6.1.3 Screen Cleaning

Press "Screen cleaning" icon, the touch-controlled function of the screen will be off for 30s.
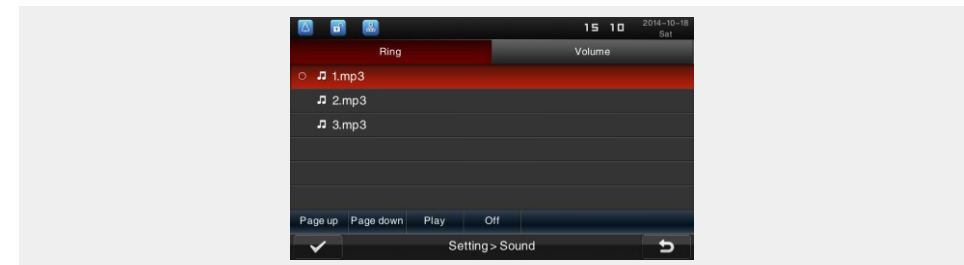

4.6.2 Sound

Press "Sound" icon to enter sound setting interface.

4.6.2.1 Ring tone setting

Press "Ring" icon to enter ring tone setting interface. Different music can be selected to be ring tone and then press button " ✓ " to save the modification.

4.6.2.2 Volume

Press "Volume" icon to enter volume setting interface. Ringing volume and talking volume can be adjusted with buttons of "+" and "-"..

4.7 Time

Press "Time" icon to enter time setting interface. Select the time you want to set and input number by using the numeric keypad on the screen. Press "Ok" icon to finish the setting. Press ⬅ ➡ to modify month, directly press the calendar to modify current date, and finally press ✓ save it.

4.8 Monitor Configuration

4.8.1 Monitor Outdoor

To monitor by outdoor unit.

4.8.2 Monitor Indoor

Click "Add" to enter configuration interface. Input the IP address of the IPC that is already installed in the IP address input bar, and then select the installation position of the IPC. Amend the "password" into the password used when setting the IPC. Finally click "OK" to finish the process of adding a indoor IPC.

4.8.3 Monitor Neighborhood

Here you can check the cameras in the neighborhood that are available to monitor.
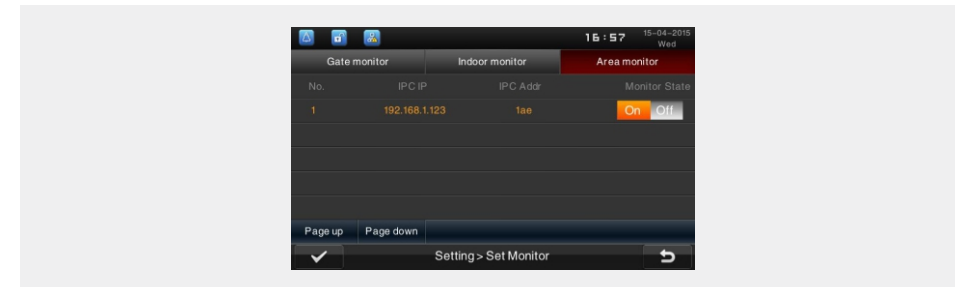
Before you monitor the neighborhood, there should be a networking camera in the neighborhood.

4.9 System Information

Press "System information" icon to bring out the following interface.System information includes serial number of this equirement,IP address,MAC address,software version,hardware version and manufacturer information.

4.10 Restore to Default Setting

Click "Restore to default setting" icon to the restore to default setting interface, and an indication box saying "Do you want to restore the indoor unit to default setting" will pop out, and then click "OK" to conform or click cancel.

4.11 Project Setting

Press "Project setting" icon to enter the interface of inputting project password, input the password (the default is "3888"). Click "Ok" icon to enter project setting interface to set the indoor unit's IP address and room number, set the project password, define areas, upgrade the firmware through the network, detect network, restore the factory settings, etc.

Input project password (the default is "3888") to enter project setting interface.
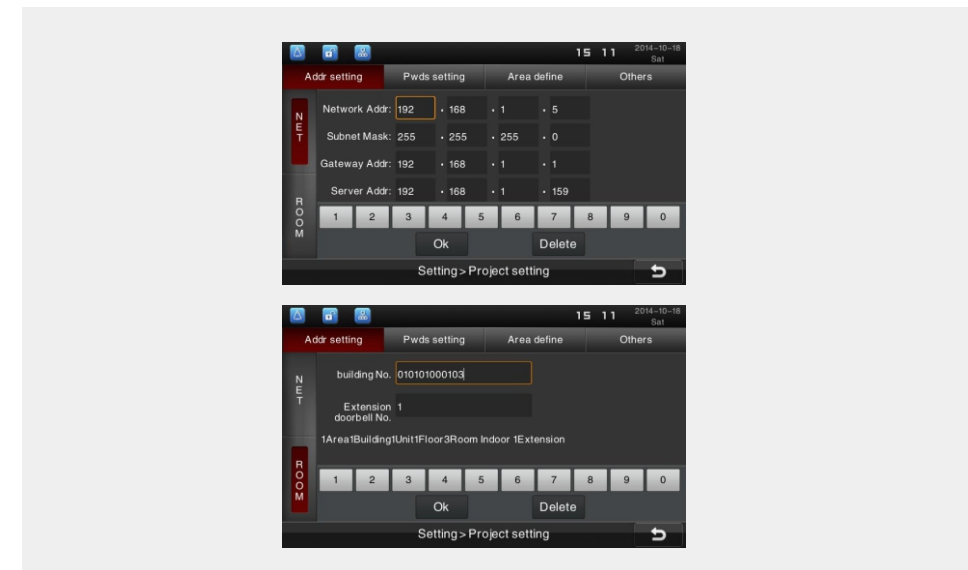
4.11.1 IP Address and Room Number Setting

Press "Addr setting" icon in the project settings interface to enter the address setting interface to set the local IP address-related information and room number information.

For example, the gateway address is 192.168.1.1, the server address is 192.168.1.200, it can be set as follows.

Network address setting
 ・IP address：192.168.1.100
 ・Subnet mask：255.255.255.0
 ・Gateway address：192.168.1.1
 ・Server address：192.168.1.200
Room number setting
 ・Building no.：0101(Building 1 Unit 1)
 ・Room no.：0105 (Room 105)
 ・Extension doorbell no.：1
After setting, press "Ok" to save it. Press to exit the system setting menu, the equipment will automatically reboot. The configuration will take effect after reboot.
Note: IP address should be different from other equipments within the same network. In the same unit, indoor unit and the corresponding stair unit should be set in the same network segment.
4.11.2 Password Setting
Press "Pwds setting" icon to enter project password setting interface to set the project password.
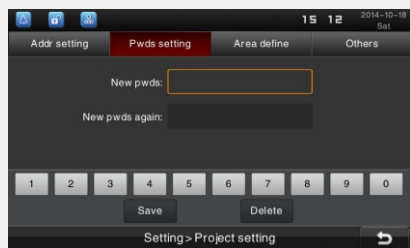

4.11.3 Area Definition Setting
Press "Area define" icon in project setting interface, enter the area define setting page to select the place, type, trigger way and state. Area location includes gate, doors, bedroom, guest room, hall, window, balcony, kitchen, study and bathroom. Sensor type includes infrared, magnet, smoke, gas and emergency.Trigger way includes normal closed, normal open, 3-state low level (the unit will alarm when it is in low level, equipment installation state detection), 3-state high level (the unit will alarm when it is in low level, equipment installation state detection).
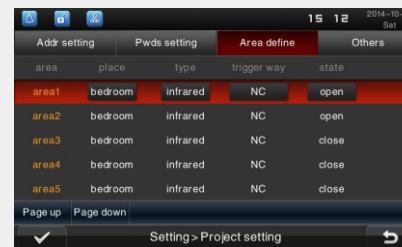
4.11.4 Others
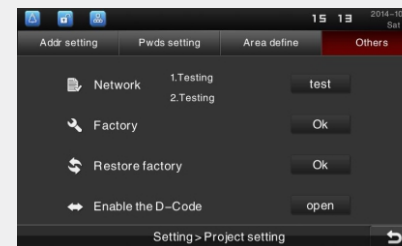
4.11.4.1 Factory Test
Press "Ok" icon of "Factory" and follow the indication to enter factory test interface.
4.11.4.2 Network Test
Press "test" icon to test the connection status with gateway and server.
4.11.4.3 Restore Factory Test
Press "Ok" icon of "Restore factory" to bring out the prompt box displaying whether to restore the factory setting. Reconfirm the prompt box, and then press "Ok" icon to restore the setting. After that, the system will restart automatically.
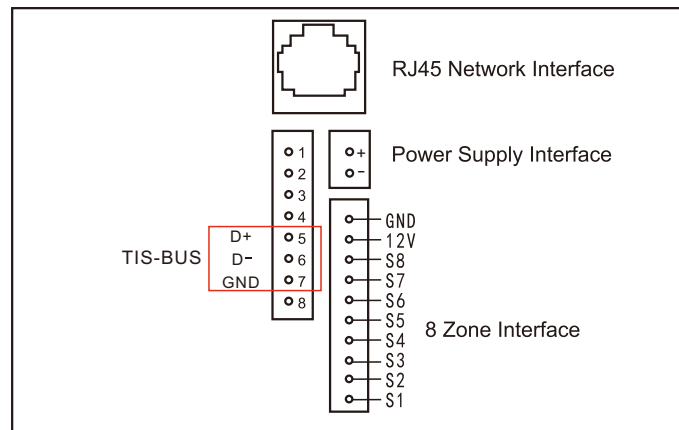4.11.5.4 D-code Function
To activate or shut down the alignment code function.

Installation Instruction

5.1 Topological Graph
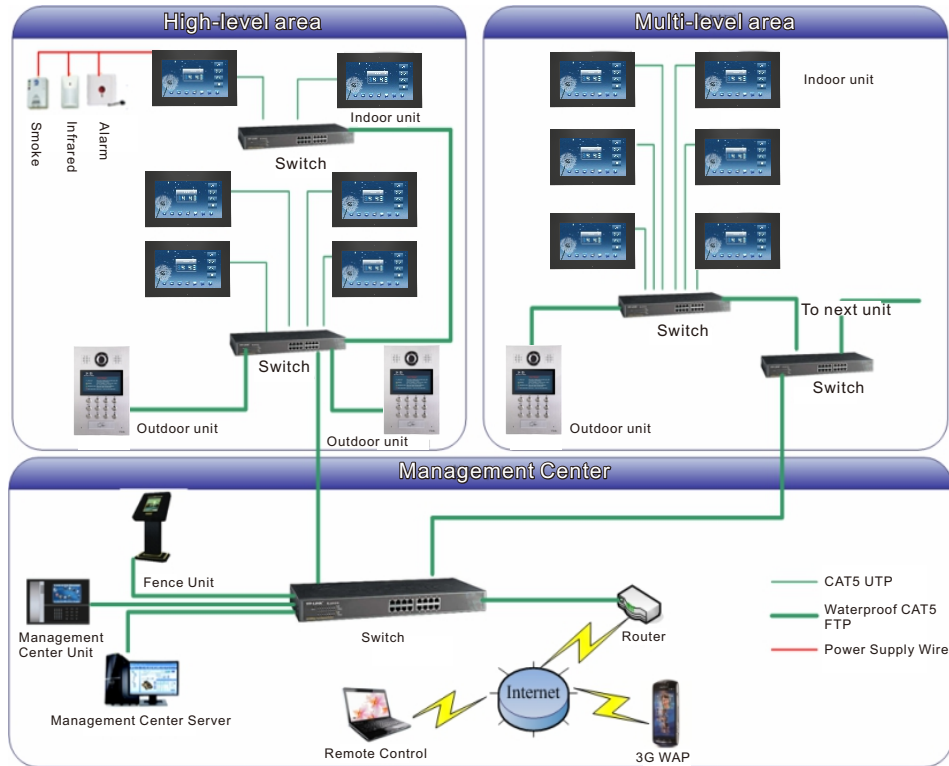
5.2 Wiring Diagram

Technical Specification

Installation Method	Wall-mounted (subject to the mold)
Resolution	800x480
Screen	7'' TFT LCD (colored)
Touch Type	Capacitive touch
RingRing volume	= 70dB
Power Supply	DC 12V/1A
Working Current	< 550mA
Working Temperature	-20℃~+60℃
Power Consumption	< 6W
Outline Dimension	204 x 134 x 18.5mm